

**To:** Rodriguez, Dante[Rodriguez.Dante@epa.gov]  
**Cc:** Dave Davis[drdavis@blm.gov]; Jeryl Gardner[JGARDNER@ndep.nv.gov]  
**From:** Taurus Massey  
**Sent:** Fri 7/15/2016 3:48:36 PM  
**Subject:** Re: Enhanced Evaporation Update  
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>>>>>>

Hi Dante,

We have 4 moisture sensors installed, 3 in the panels and 1 as control. Data from the sensors are transmitted to a base station where it is downloaded via laptop. To this point, we haven't been able to get the sensors to transmit reliably. We're working with our contractor and the vendor to get this resolved. We are monitoring the drain-down flow rate data that B&C collects to determine if any recirculation is occurring. We need more data but so far it does not appear that fluid is reporting back to the pond.

Regards,  
Taurus

Taurus Massey

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On Thu, Jul 14, 2016 at 8:52 AM, Rodriguez, Dante <[Rodriguez.Dante@epa.gov](mailto:Rodriguez.Dante@epa.gov)> wrote:

Hi Taurus,

Thank you for the EE update report. My only question is about the moisture sensor results. As I recall from your workplan, you had installed moisture sensors in the soil to aid in determining whether fluids were infiltrating or fully evaporating. How do those work? Is that something that you take readings from? How do you take the readings? What do they show? Thanks, and we appreciate your efforts!

**Dante Rodriguez**

Remedial Project Manager

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**From:** Taurus Massey [mailto:[tmassey@singatsepeakservices.com](mailto:tmassey@singatsepeakservices.com)]

**Sent:** Monday, July 11, 2016 4:55 PM

**To:** Jeryl Gardner <[JGARDNER@ndep.nv.gov](mailto:JGARDNER@ndep.nv.gov)>

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**Subject:** Enhanced Evaporation Update

Hi Jeryl,

Per your request, here's a quick update on the Enhanced Evaporation Pilot Test.

Volume - Approximately 376,000 gallons have been pumped with the evap pilot through 7/11/16. The attached spreadsheet summarizes the daily pumping volumes.

Maintenance - Evap nozzles continue to flow without clogging. A few minor leaks have been observed at welds in the piping and were repaired by B&C. All of these leaks occurred in the perimeter ditch which is on the double liner of the VLT HLP.

Evap Panel Surface - Precipitate crust continues to form (before & after pumping photos attached). Fluid appears to sit on top of this crust during pumping operations. We are monitoring VLT drain-down rates to evaluate potential recirculation.

Please contact me if you have any questions. The full Bi-monthly progress report will be sent on August, 11.

Regards,  
Taurus

**Taurus Massey**

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